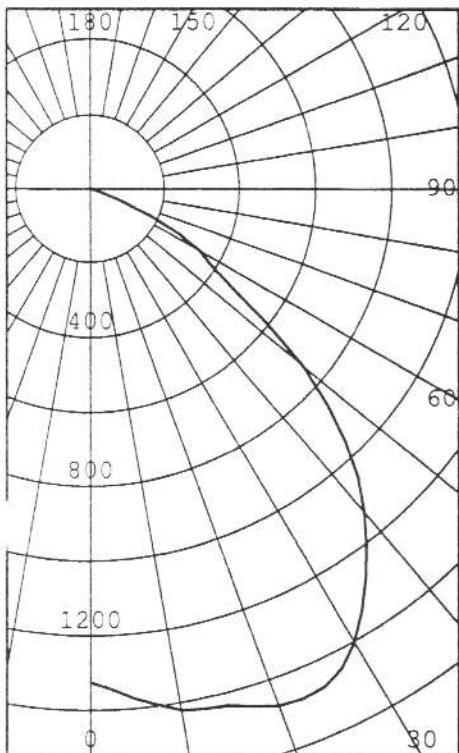


CERTIFIED TEST REPORT No. LSI 16958

ESCO LIGHTING - 10" ROUND SURFACE MOUNT OPEN CYLINDER LUMINAIRE, CAT# S6080W
 WITH SEMI-SPECULAR REFLECTOR AND NO LENS
 ONE PHILIPS 85 WATT INDUCTION LAMP, CAT# QL85W/840. LUMEN RATING = 6000 LMS.
 ONE QL85WS/13 BALLAST OPERATING AT 120 VA AND 77 WATTS

CANDLEPOWER SUMMARY

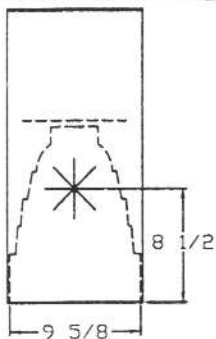


ANGLE	MEAN CP	LUMENS
0	1324	
5	1373	135
10	1422	
15	1436	409
20	1476	
25	1473	674
30	1403	
35	1274	794
40	1131	
45	958	730
50	742	
55	461	439
60	341	
65	183	182
70	45	
75	12	17
80	6	
85	3	3
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1217	20.30	36.00
0-40	2011	33.53	59.47
0-60	3181	53.02	94.04
0-90	3382	56.38	100.00
40-90	1371	22.85	40.53
60-90	201	3.36	5.96
90-180	0	.00	.00
0-180	3382	56.38	100.00

** EFFICIENCY: 56.4% **



LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.5
 SC: 1.4

ANGLE	MEAN CD/SQ M
45	28947
55	17184
65	9234
75	957
85	612

CERTIFIED BY:

DATE:
 SEP 13, 2002

PREPARED FOR:
 ESCO LIGHTING
 CHICAGO, IL

TESTED IN ACCORDANCE WITH IES PROCEDURES.

Lighting Sciences
7830 E. Evans Rd.
Scottsdale, AZ, USA 85260

CERTIFIED TEST REPORT No. LSI

16958

ESCO LIGHTING - 10" ROUND SURFACE MOUNT OPEN CYLINDER LUMINAIRE, CAT# S6080W
WITH SEMI-SPECULAR REFLECTOR AND NO LENS
ONE PHILIPS 85 WATT INDUCTION LAMP, CAT# QL85W/840. LUMEN RATING = 6000 LMS.
ONE QL85WS/13 BALLAST OPERATING AT 120 VA AND 77 WATTS

CANDLEPOWER DATA
IN 2.5 DEGREE STEPS

ANGLE	CANDLEPOWER	LUMENS
.0	1324	
2.5	1345	
5.0	1373	135
7.5	1396	
10.0	1422	
12.5	1429	
15.0	1436	409
17.5	1456	
20.0	1476	
22.5	1480	
25.0	1473	674
27.5	1449	
30.0	1403	
32.5	1342	
35.0	1274	794
37.5	1204	
40.0	1131	
42.5	1053	
45.0	958	730
47.5	854	
50.0	742	
52.5	596	
55.0	461	439
57.5	381	
60.0	341	
62.5	271	
65.0	183	182
67.5	97	
70.0	45	
72.5	19	
75.0	12	17
77.5	8	
80.0	6	
82.5	4	
85.0	3	3
87.5	1	
90.0	0	

Lighting Sciences
7830 E. Evans Rd.
Scottsdale, AZ, USA 85260

CERTIFIED TEST REPORT No. LSI

16958

ESCO LIGHTING - 10" ROUND SURFACE MOUNT OPEN CYLINDER LUMINAIRE, CAT# S6080W
WITH SEMI-SPECULAR REFLECTOR AND NO LENS
ONE PHILIPS 85 WATT INDUCTION LAMP, CAT# QL85W/840. LUMEN RATING = 6000 LMS.
ONE QL85WS/13 BALLAST OPERATING AT 120 VA AND 77 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M. (FOOTLAMBERTS)

ANGLE	LUMINANCE
0	28177 (8224)
30	34470 (10060)
40	31427 (9172)
45	28947 (8448)
50	24558 (7167)
55	17184 (5015)
60	14526 (4239)
65	9234 (2695)
70	2775 (809)
75	957 (279)
80	735 (214)
85	612 (178)

Lighting Sciences
 7830 E. Evans Rd.
 Scottsdale, AZ, USA 85260

CERTIFIED TEST REPORT No. LSI

16958

ESCO LIGHTING - 10" ROUND SURFACE MOUNT OPEN CYLINDER LUMINAIRE, CAT# S6080W
 WITH SEMI-SPECULAR REFLECTOR AND NO LENS
 ONE PHILIPS 85 WATT INDUCTION LAMP, CAT# QL85W/840. LUMEN RATING = 6000 LMS.
 ONE QL85WS/13 BALLAST OPERATING AT 120 VA AND 77 WATTS

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	.67	.67	.67	.67	.66	.66	.66	.66	.63	.63	.63	.60	.60	.60	.58	.58	.58	.56			
1	.63	.61	.60	.58	.62	.60	.58	.57	.58	.56	.55	.56	.55	.54	.54	.53	.52	.51			
2	.59	.56	.53	.51	.58	.55	.52	.50	.53	.51	.49	.51	.50	.48	.50	.48	.47	.46			
3	.55	.51	.47	.45	.54	.50	.47	.44	.48	.46	.43	.47	.45	.43	.46	.44	.42	.41			
4	.51	.46	.42	.39	.50	.46	.42	.39	.44	.41	.39	.43	.40	.38	.42	.40	.38	.37			
5	.48	.42	.38	.35	.47	.41	.37	.35	.40	.37	.34	.39	.36	.34	.38	.36	.34	.33			
6	.44	.38	.34	.31	.43	.38	.34	.31	.37	.33	.30	.36	.33	.30	.35	.32	.30	.29			
7	.41	.34	.30	.27	.40	.34	.30	.27	.33	.29	.27	.32	.29	.27	.32	.29	.26	.25			
8	.38	.31	.27	.24	.37	.31	.27	.24	.30	.26	.24	.30	.26	.24	.29	.26	.24	.23			
9	.35	.28	.24	.21	.35	.28	.24	.21	.27	.24	.21	.27	.23	.21	.26	.23	.21	.20			
10	.33	.26	.22	.19	.32	.26	.22	.19	.25	.21	.19	.24	.21	.19	.24	.21	.19	.18			

LUMINAIRE INPUT WATTS = 77.0

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.

BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.