

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244504

Luminaire Tested: **LSR8B40D010 EC8B40950 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40950 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4448.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

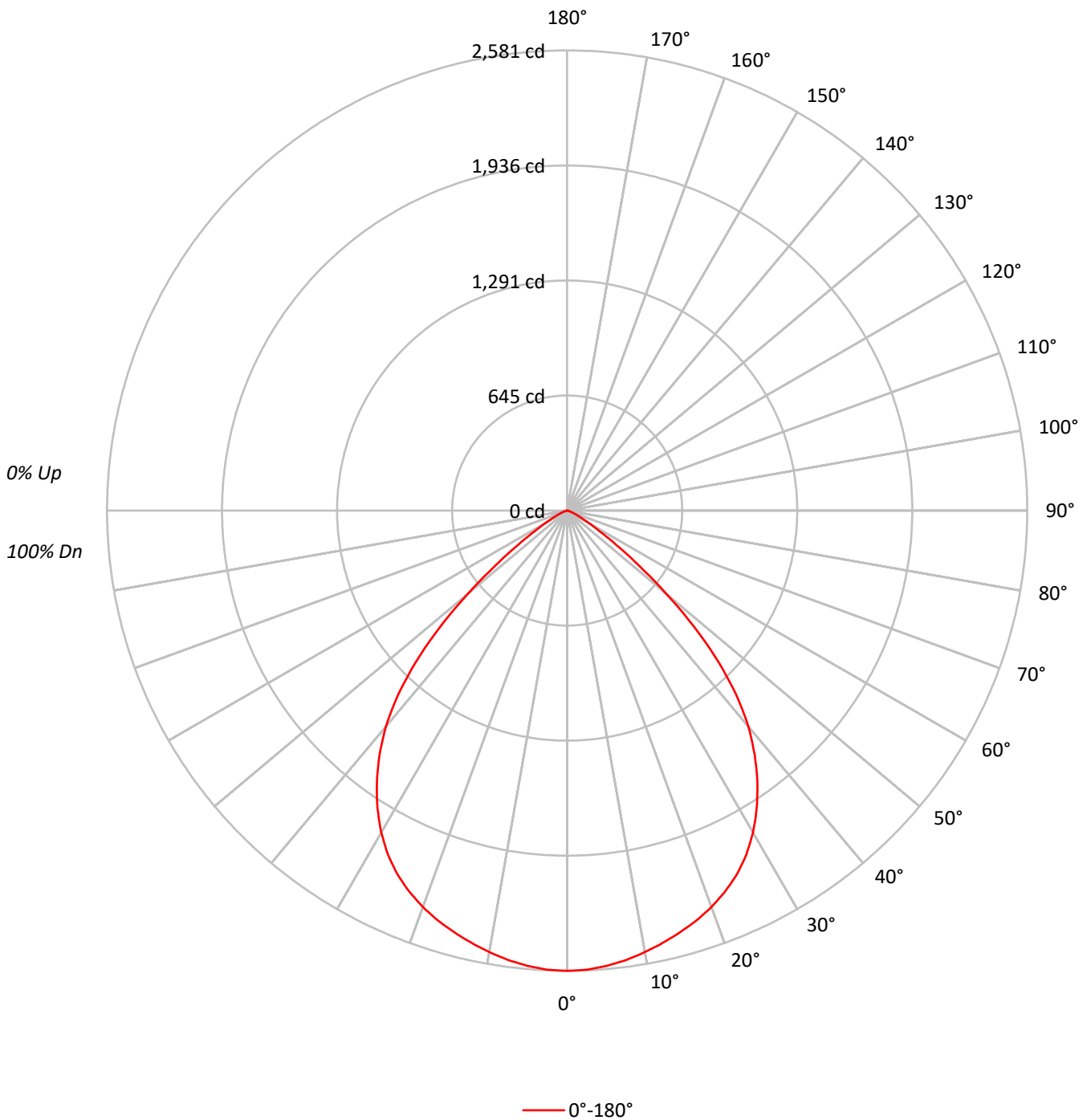
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79598
5°	79332
10°	78731
15°	78176
20°	77648
25°	76626
30°	74258
35°	70063
40°	63674
45°	52396
50°	34924
55°	18193
60°	8572
65°	4495
70°	2245
75°	1561
80°	1172
85°	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	5.5
10°-20°	691.2	15.5
20°-30°	1033.9	23.2
30°-40°	1156.5	26.0
40°-50°	907.3	20.4
50°-60°	331.0	7.4
60°-70°	67.5	1.5
70°-80°	14.5	0.3
80°-90°	3.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1968.2	44.2
0°-40°	3124.7	70.2
0°-60°	4363.0	98.1
0°-90°	4448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4448.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2581	
5°	2563	243
15°	2449	691
25°	2252	1034
35°	1861	1156
45°	1202	907
55°	338	331
65°	62	67
75°	13	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2581.3
2.5°	2577.4
5°	2562.9
7.5°	2541.9
10°	2514.4
12.5°	2482.9
15°	2448.8
17.5°	2410.8
20°	2366.2
22.5°	2313.7
25°	2252.1
27.5°	2176.0
30°	2085.5
32.5°	1979.3
35°	1861.2
37.5°	1728.7
40°	1581.8
42.5°	1407.4
45°	1201.5
47.5°	969.3
50°	728.0
52.5°	510.2
55°	338.4
57.5°	216.4
60°	139.0
62.5°	91.8
65°	61.6
67.5°	39.3
70°	24.9
72.5°	17.1
75°	13.1
77.5°	9.2
80°	6.6
82.5°	3.9
85°	2.6
87.5°	1.3
90°	0.0

(END OF REPORT)