

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: P247074

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80935 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7603.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

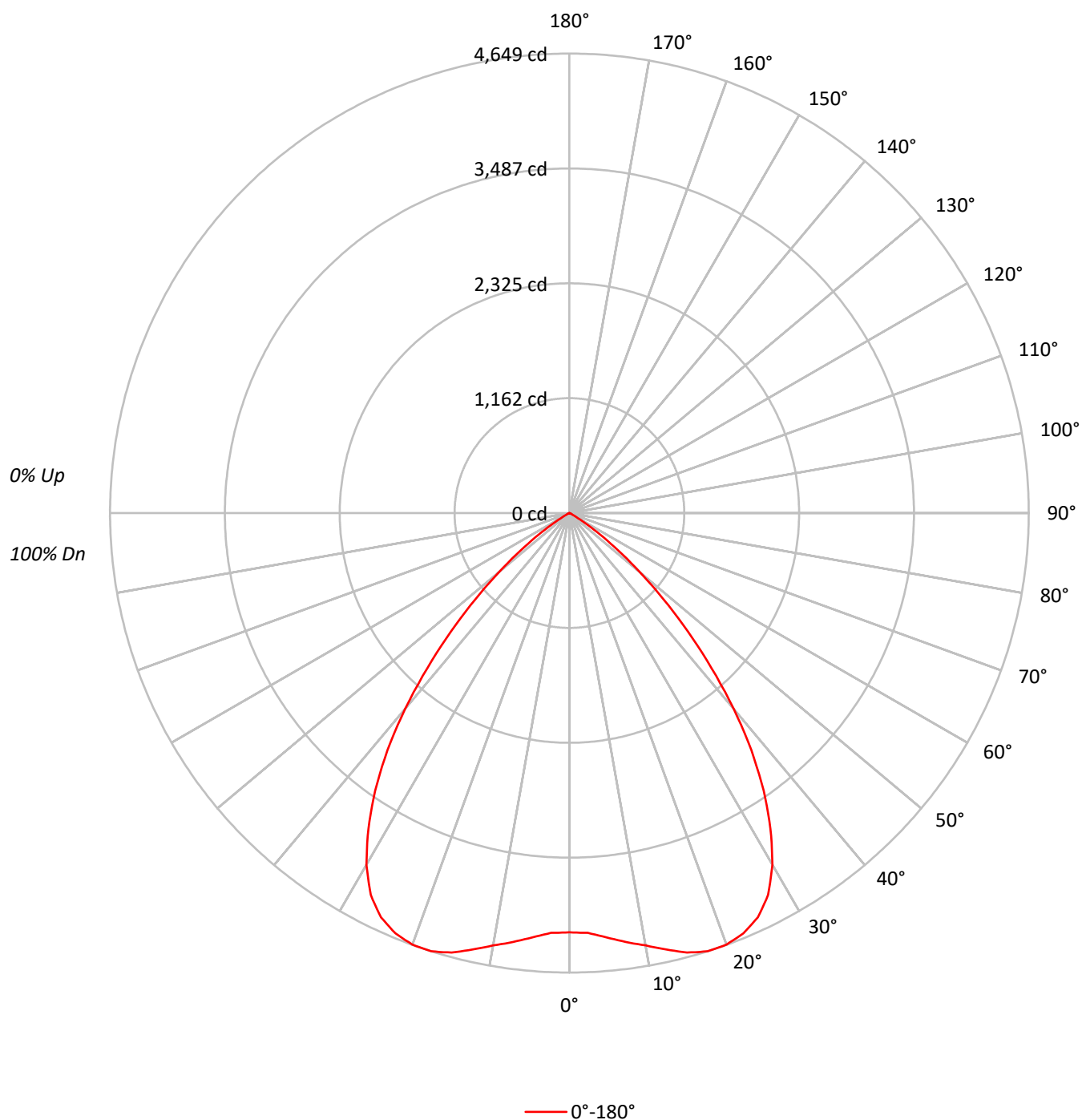
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	113	109	107	104	110	107	105	102		103	101	99			99	98	96			92
2	106	100	96	92	104	98	94	91		95	92	89			92	89	87			83
3	99	92	86	81	97	90	85	81		88	83	79			85	81	78			75
4	93	84	78	73	91	83	77	72		81	75	71			79	74	70			68
5	87	77	70	65	85	76	70	65		74	69	64			73	68	64			62
6	82	71	64	59	80	70	64	59		69	63	58			67	62	58			56
7	77	66	59	54	75	65	58	54		64	58	53			62	57	53			51
8	72	61	54	49	71	60	54	49		59	53	49			58	52	48			47
9	68	56	50	45	66	56	49	45		55	49	45			54	48	45			43
10	64	53	46	41	63	52	46	41		51	45	41			50	45	41			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130826
5°	133378
10°	139100
15°	146959
20°	152470
25°	153575
30°	146315
35°	129059
40°	104040
45°	73865
50°	44394
55°	19999
60°	5156
65°	1109
70°	550
75°	369
80°	178
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.6	5.5
10°-20°	1301.5	17.1
20°-30°	2058.2	27.1
30°-40°	2114.9	27.8
40°-50°	1311.9	17.3
50°-60°	371.9	4.9
60°-70°	25.1	0.3
70°-80°	3.4	0.0
80°-90°	0.4	0.0
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°	3775.4	49.7
0°-40°	5890.3	77.5
0°-60°	7574.1	99.6
0°-90°	7603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7603.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4243	
5°	4309	416
15°	4603	1301
25°	4514	2058
35°	3428	2115
45°	1694	1312
55°	372	372
65°	15	25
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4242.6
2.5°	4250.8
5°	4308.9
7.5°	4377.2
10°	4442.4
12.5°	4522.9
15°	4603.4
17.5°	4649.2
20°	4646.3
22.5°	4601.4
25°	4513.7
27.5°	4354.8
30°	4109.2
32.5°	3786.1
35°	3428.4
37.5°	3023.8
40°	2584.6
42.5°	2127.9
45°	1693.8
47.5°	1290.3
50°	925.4
52.5°	622.7
55°	372.0
57.5°	191.6
60°	83.6
62.5°	33.7
65°	15.2
67.5°	9.2
70°	6.1
72.5°	4.1
75°	3.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)