

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: P247750

Luminaire Tested: **LSR8B80D010 EC8B80940 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80940 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8252.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

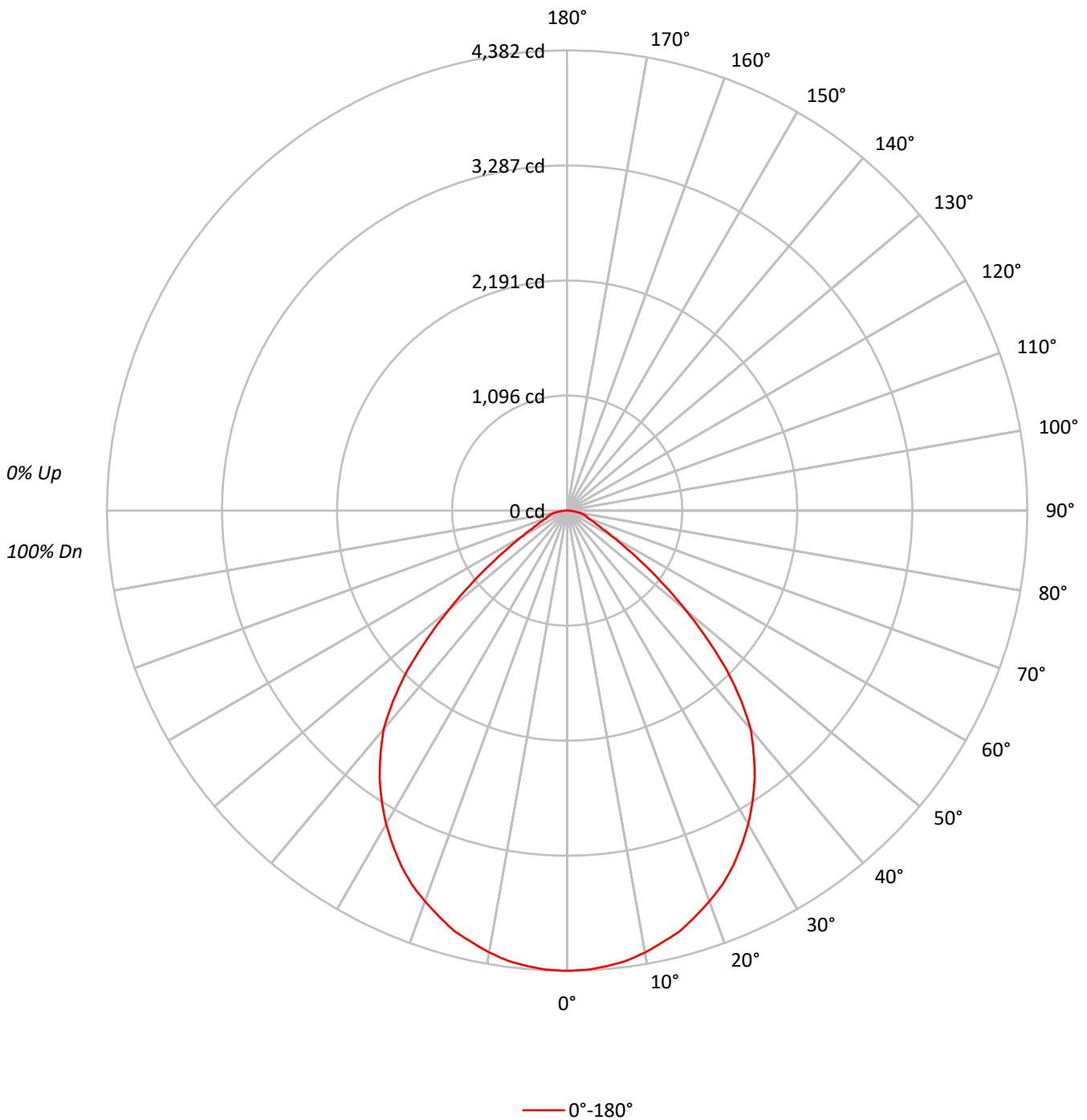
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73		80	76	72		78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58		67	61	57		65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52		61	56	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42		52	46	42		51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39		49	43	38		48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135122
5°	134783
10°	133777
15°	132383
20°	129939
25°	127060
30°	122790
35°	117209
40°	109455
45°	93760
50°	70496
55°	47783
60°	31089
65°	22809
70°	18627
75°	21112
80°	22144
85°	17973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.2	5.0
10°-20°	1166.5	14.1
20°-30°	1716.2	20.8
30°-40°	1938.4	23.5
40°-50°	1632.5	19.8
50°-60°	823.6	10.0
60°-70°	322.7	3.9
70°-80°	182.2	2.2
80°-90°	56.7	0.7
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°	3295.9	39.9
0°-40°	5234.3	63.4
0°-60°	7690.4	93.2
0°-90°	8252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8252.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4382	
5°	4354	413
15°	4147	1167
25°	3734	1716
35°	3114	1938
45°	2150	1632
55°	889	824
65°	313	323
75°	177	182
85°	51	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4381.9
2.5°	4377.4
5°	4354.3
7.5°	4324.0
10°	4272.4
12.5°	4208.2
15°	4146.8
17.5°	4053.3
20°	3959.7
22.5°	3858.2
25°	3734.4
27.5°	3594.6
30°	3448.5
32.5°	3284.6
35°	3113.6
37.5°	2917.7
40°	2719.1
42.5°	2448.3
45°	2150.0
47.5°	1808.0
50°	1469.5
52.5°	1164.1
55°	888.8
57.5°	669.8
60°	504.1
62.5°	384.8
65°	312.6
67.5°	254.7
70°	206.6
72.5°	199.5
75°	177.2
77.5°	147.8
80°	124.7
82.5°	79.3
85°	50.8
87.5°	16.0
90°	0.0

(END OF REPORT)