

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: P249917

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80935 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6940.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

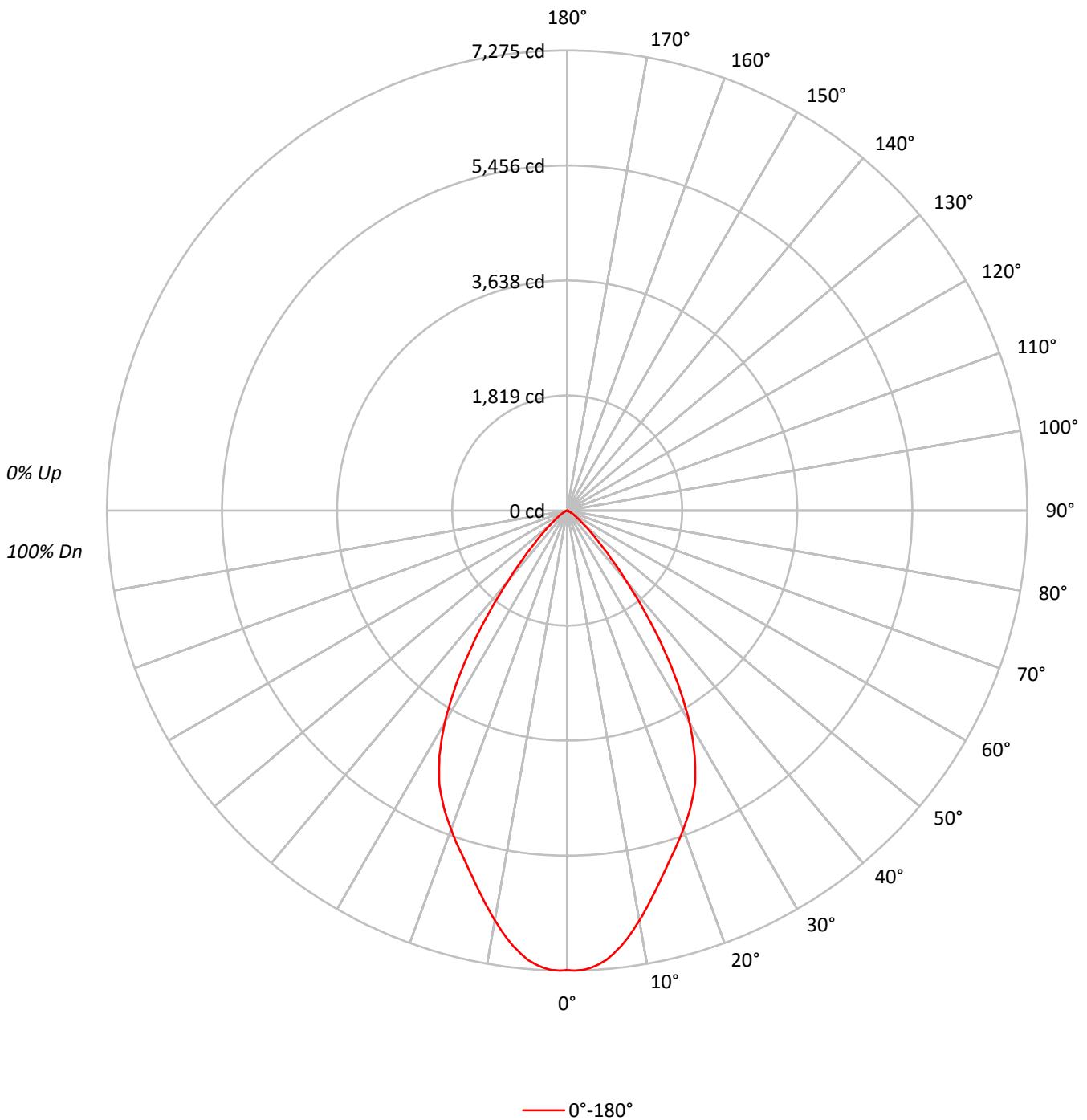
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101		100	99	98		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60		68	64	60		67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56		64	60	56		63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53		61	56	52		60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49		57	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223995
5°	220697
10°	205964
15°	189055
20°	176077
25°	162679
30°	137955
35°	99241
40°	58465
45°	31242
50°	16301
55°	9193
60°	5069
65°	2999
70°	1370
75°	774
80°	391
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.2	9.5
10°-20°	1666.2	24.0
20°-30°	2163.0	31.2
30°-40°	1632.6	23.5
40°-50°	597.4	8.6
50°-60°	167.0	2.4
60°-70°	43.9	0.6
70°-80°	7.4	0.1
80°-90°	0.3	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°	4491.4	64.7
0°-40°	6124.0	88.2
0°-60°	6888.4	99.3
0°-90°	6940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6940.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7264	
5°	7130	662
15°	5922	1666
25°	4781	2163
35°	2636	1633
45°	716	597
55°	171	167
65°	41	44
75°	6	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7264.0
1°	7274.8
2°	7266.1
3°	7238.0
4°	7190.4
5°	7129.8
6°	7041.0
7°	6943.6
8°	6831.1
9°	6707.7
10°	6577.8
11°	6448.0
12°	6313.8
13°	6177.4
14°	6047.5
15°	5922.0
16°	5802.9
17°	5688.2
18°	5584.3
19°	5476.1
20°	5365.7
22.5°	5090.8
25°	4781.3
27.5°	4372.2
30°	3874.4
32.5°	3274.8
35°	2636.3
37.5°	2013.0
40°	1452.4
42.5°	1028.1
45°	716.4
47.5°	504.3
50°	339.8
52.5°	248.9
55°	171.0
57.5°	123.4
60°	82.2
62.5°	60.6
65°	41.1
67.5°	28.1
70°	15.2
72.5°	10.8
75°	6.5
77.5°	2.2
80°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)