

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: P244317

Luminaire Tested: **LSR8B30D010 EC8B30835 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30835 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2802.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

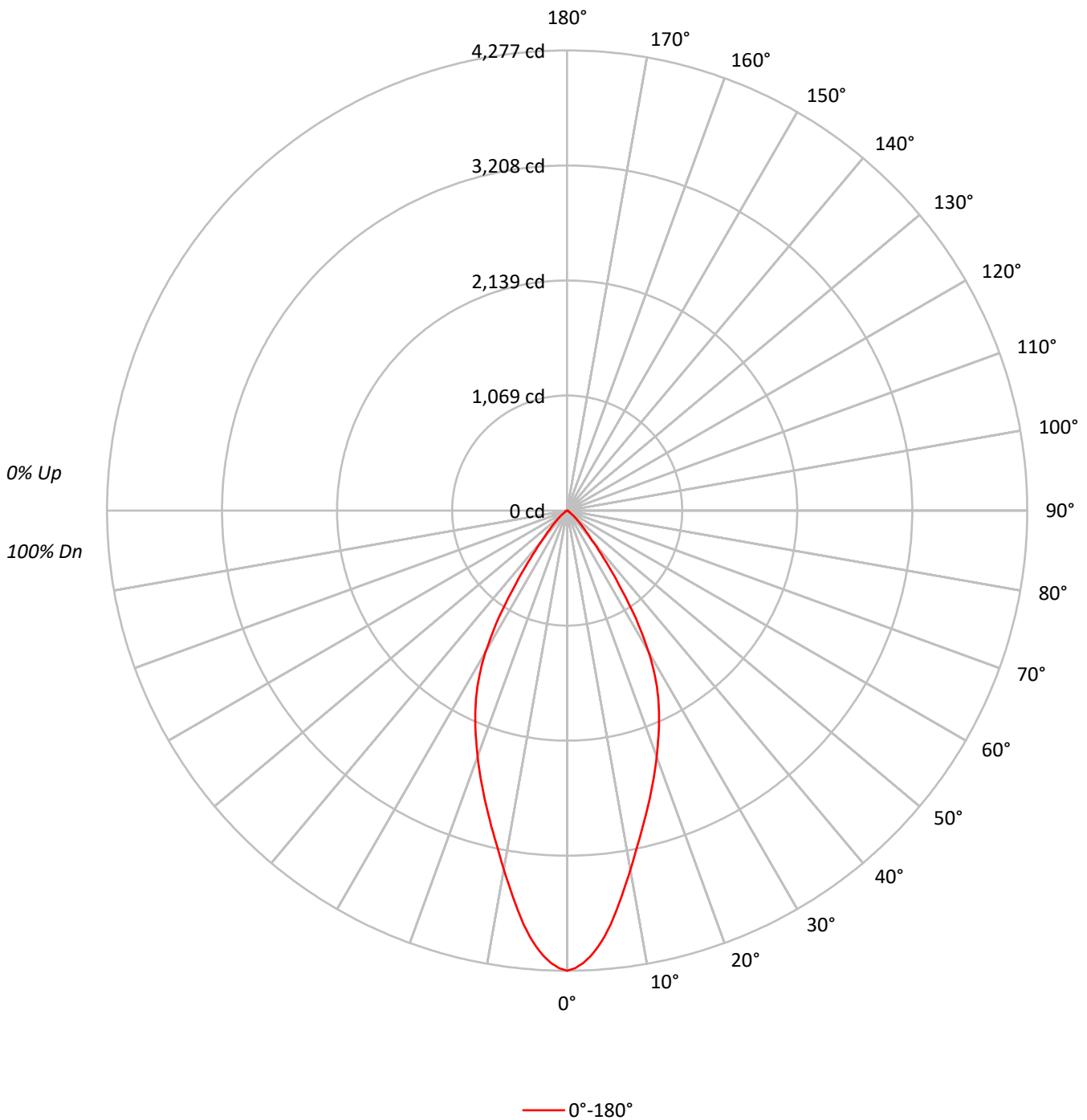
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	58		64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55		62	58	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131896
5°	123027
10°	106048
15°	91779
20°	79836
25°	68613
30°	53912
35°	31455
40°	14512
45°	7509
50°	3766
55°	1833
60°	931
65°	555
70°	252
75°	226
80°	160
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.7	12.8
10°-20°	803.8	28.7
20°-30°	913.9	32.6
30°-40°	536.7	19.2
40°-50°	144.0	5.1
50°-60°	34.2	1.2
60°-70°	7.8	0.3
70°-80°	1.7	0.1
80°-90°	0.1	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°	2077.4	74.1
0°-40°	2614.1	93.3
0°-60°	2792.3	99.7
0°-90°	2802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2802.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4277	
5°	3974	360
15°	2875	804
25°	2017	914
35°	836	537
45°	172	144
55°	34	34
65°	8	8
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4277.3
1°	4253.6
2°	4210.1
3°	4148.6
4°	4069.1
5°	3974.5
6°	3867.5
7°	3746.4
8°	3625.3
9°	3503.2
10°	3386.8
11°	3273.3
12°	3166.3
13°	3067.0
14°	2967.6
15°	2874.9
16°	2784.0
17°	2694.1
18°	2607.1
19°	2519.1
20°	2432.9
21°	2346.8
22°	2264.5
23°	2183.1
24°	2099.8
25°	2016.6
26°	1930.5
27°	1836.8
28°	1738.4
29°	1630.5
30°	1514.1
32.5°	1187.6
35°	835.6
37.5°	550.7
40°	360.5
42.5°	248.9
45°	172.2
47.5°	118.3
50°	78.5
52.5°	51.1
55°	34.1
57.5°	22.7
60°	15.1
62.5°	10.4
65°	7.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.7
70°	2.8
72.5°	1.9
75°	1.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)