

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: P244305

Luminaire Tested: **LSR8B30D010 EC8B30827 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244305
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 EC8B30827 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2628.0 lumens
Efficiency: N/A
Efficacy: 97.0 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

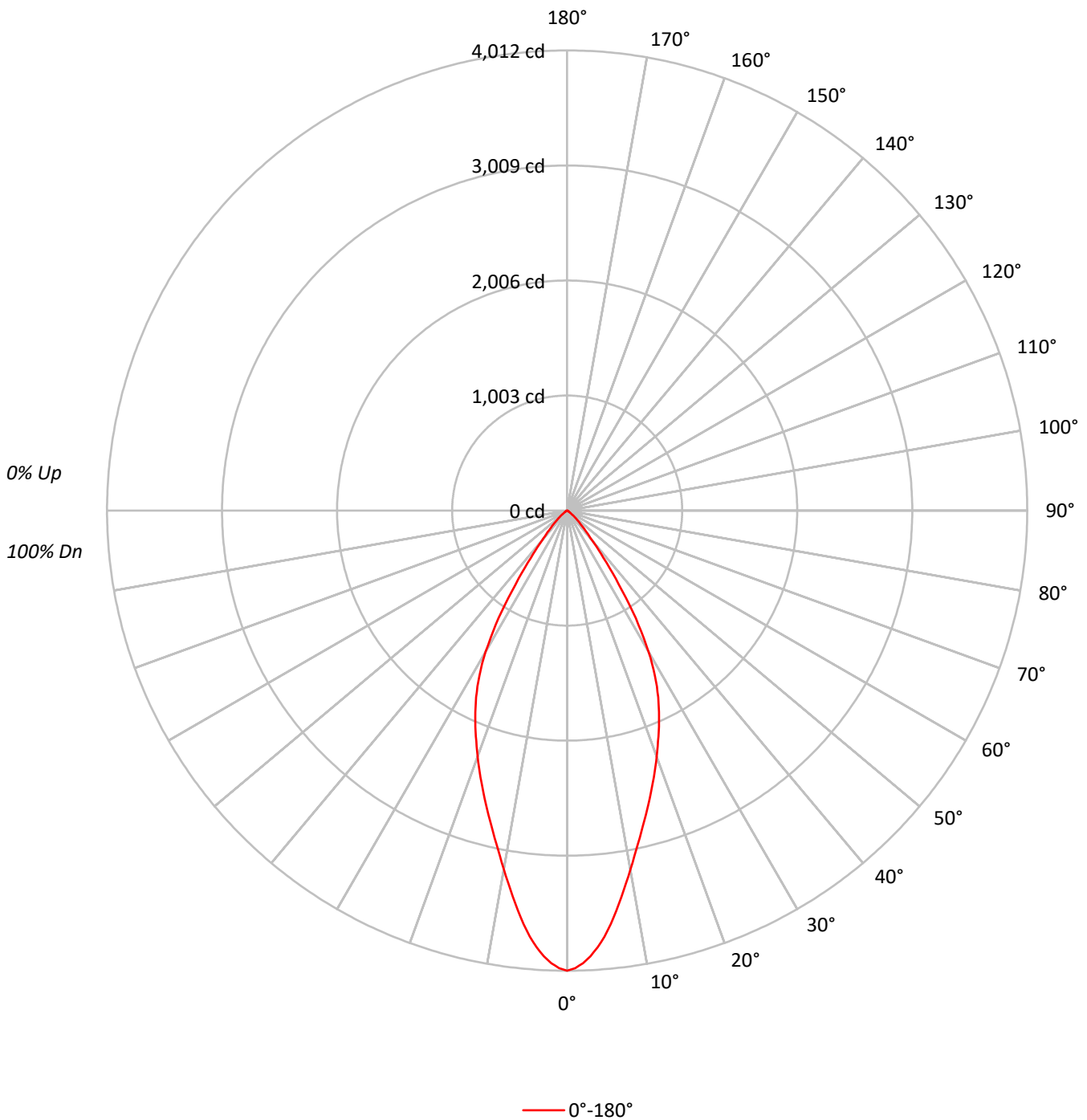
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	123706
5°	115388
10°	99463
15°	86077
20°	74881
25°	64350
30°	50565
35°	29502
40°	13614
45°	7043
50°	3536
55°	1720
60°	876
65°	518
70°	243
75°	214
80°	160
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.4	12.8
10°-20°	753.9	28.7
20°-30°	857.1	32.6
30°-40°	503.4	19.2
40°-50°	135.1	5.1
50°-60°	32.1	1.2
60°-70°	7.3	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°	1948.4	74.1
0°-40°	2451.8	93.3
0°-60°	2618.9	99.7
0°-90°	2628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2628.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4012	
5°	3728	337
15°	2696	754
25°	1891	857
35°	784	503
45°	162	135
55°	32	32
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4011.7
1°	3989.5
2°	3948.7
3°	3891.0
4°	3816.4
5°	3727.7
6°	3627.4
7°	3513.8
8°	3400.2
9°	3285.7
10°	3176.5
11°	3070.0
12°	2969.7
13°	2876.5
14°	2783.3
15°	2696.3
16°	2611.1
17°	2526.8
18°	2445.2
19°	2362.6
20°	2281.9
21°	2201.1
22°	2123.9
23°	2047.5
24°	1969.4
25°	1891.3
26°	1810.6
27°	1722.7
28°	1630.4
29°	1529.2
30°	1420.1
32.5°	1113.9
35°	783.7
37.5°	516.5
40°	338.2
42.5°	233.4
45°	161.5
47.5°	110.9
50°	73.7
52.5°	47.9
55°	32.0
57.5°	21.3
60°	14.2
62.5°	9.8
65°	7.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.4
70°	2.7
72.5°	1.8
75°	1.8
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)