

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: P244239

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30830 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2982.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

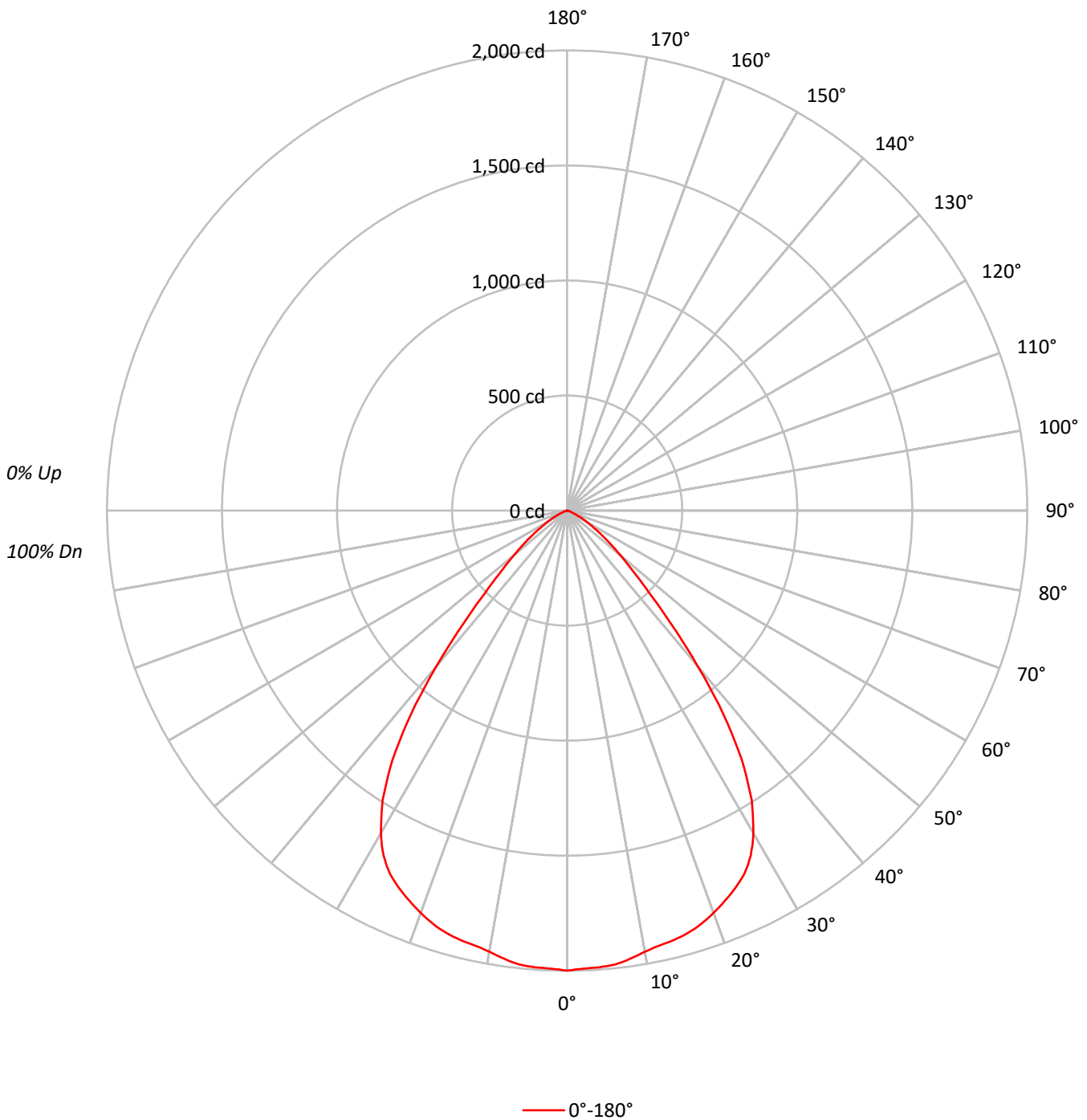
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61657
5°	61521
10°	60964
15°	61192
20°	61063
25°	60468
30°	57633
35°	49901
40°	35597
45°	21874
50°	14430
55°	9543
60°	6112
65°	3334
70°	1632
75°	822
80°	462
85°	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	6.3
10°-20°	540.6	18.1
20°-30°	813.6	27.3
30°-40°	805.5	27.0
40°-50°	409.3	13.7
50°-60°	164.9	5.5
60°-70°	50.0	1.7
70°-80°	8.6	0.3
80°-90°	1.1	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°	1542.7	51.7
0°-40°	2348.2	78.7
0°-60°	2922.4	98.0
0°-90°	2982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2982.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2000	
5°	1988	188
15°	1917	541
25°	1777	814
35°	1326	806
45°	502	409
55°	178	165
65°	46	50
75°	7	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1999.5
1°	1995.2
2°	1991.8
3°	1990.9
4°	1990.1
5°	1987.5
6°	1984.0
7°	1977.1
8°	1966.8
9°	1957.3
10°	1947.0
11°	1938.4
12°	1932.3
13°	1928.0
14°	1922.8
15°	1916.8
16°	1909.1
17°	1899.6
18°	1888.4
19°	1875.4
20°	1860.8
21°	1845.3
22°	1829.8
23°	1813.4
24°	1796.1
25°	1777.2
26°	1756.5
27°	1729.8
28°	1698.8
29°	1661.7
30°	1618.6
32.5°	1492.8
35°	1325.6
37.5°	1117.0
40°	884.3
42.5°	668.0
45°	501.6
47.5°	383.5
50°	300.8
52.5°	233.6
55°	177.5
57.5°	131.9
60°	99.1
62.5°	70.7
65°	45.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	28.4
70°	18.1
72.5°	11.2
75°	6.9
77.5°	4.3
80°	2.6
82.5°	1.7
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)