

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: P244455

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30830 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 3261.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

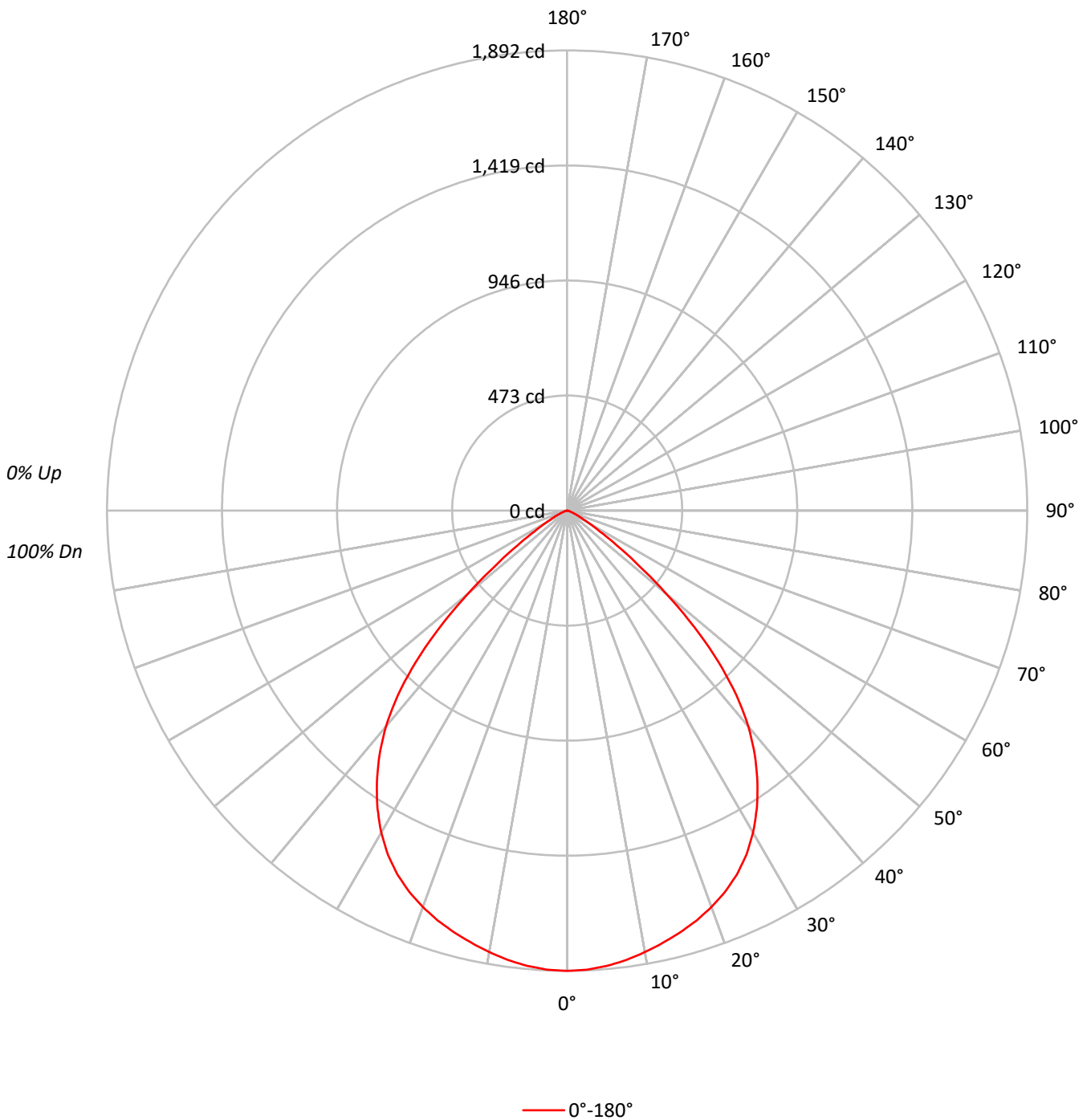
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58355
5°	58163
10°	57721
15°	57313
20°	56925
25°	56177
30°	54443
35°	51365
40°	46683
45°	38411
50°	25603
55°	13338
60°	6284
65°	3298
70°	1650
75°	1144
80°	852
85°	672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.2	5.5
10°-20°	506.7	15.5
20°-30°	758.0	23.2
30°-40°	847.9	26.0
40°-50°	665.1	20.4
50°-60°	242.7	7.4
60°-70°	49.5	1.5
70°-80°	10.6	0.3
80°-90°	2.2	0.1
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°	1443.0	44.2
0°-40°	2290.8	70.2
0°-60°	3198.7	98.1
0°-90°	3261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3261.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1892	
5°	1879	178
15°	1795	507
25°	1651	758
35°	1364	848
45°	881	665
55°	248	243
65°	45	49
75°	10	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1892.4
2.5°	1889.6
5°	1879.0
7.5°	1863.6
10°	1843.4
12.5°	1820.3
15°	1795.3
17.5°	1767.4
20°	1734.7
22.5°	1696.3
25°	1651.1
27.5°	1595.3
30°	1529.0
32.5°	1451.1
35°	1364.5
37.5°	1267.4
40°	1159.7
42.5°	1031.8
45°	880.8
47.5°	710.6
50°	533.7
52.5°	374.1
55°	248.1
57.5°	158.7
60°	101.9
62.5°	67.3
65°	45.2
67.5°	28.8
70°	18.3
72.5°	12.5
75°	9.6
77.5°	6.7
80°	4.8
82.5°	2.9
85°	1.9
87.5°	1.0
90°	0.0

(END OF REPORT)