

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: P245594

Luminaire Tested: **LSR8B20D010 EC8B209730 8LBW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B209730 8LBW0GPH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1442.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

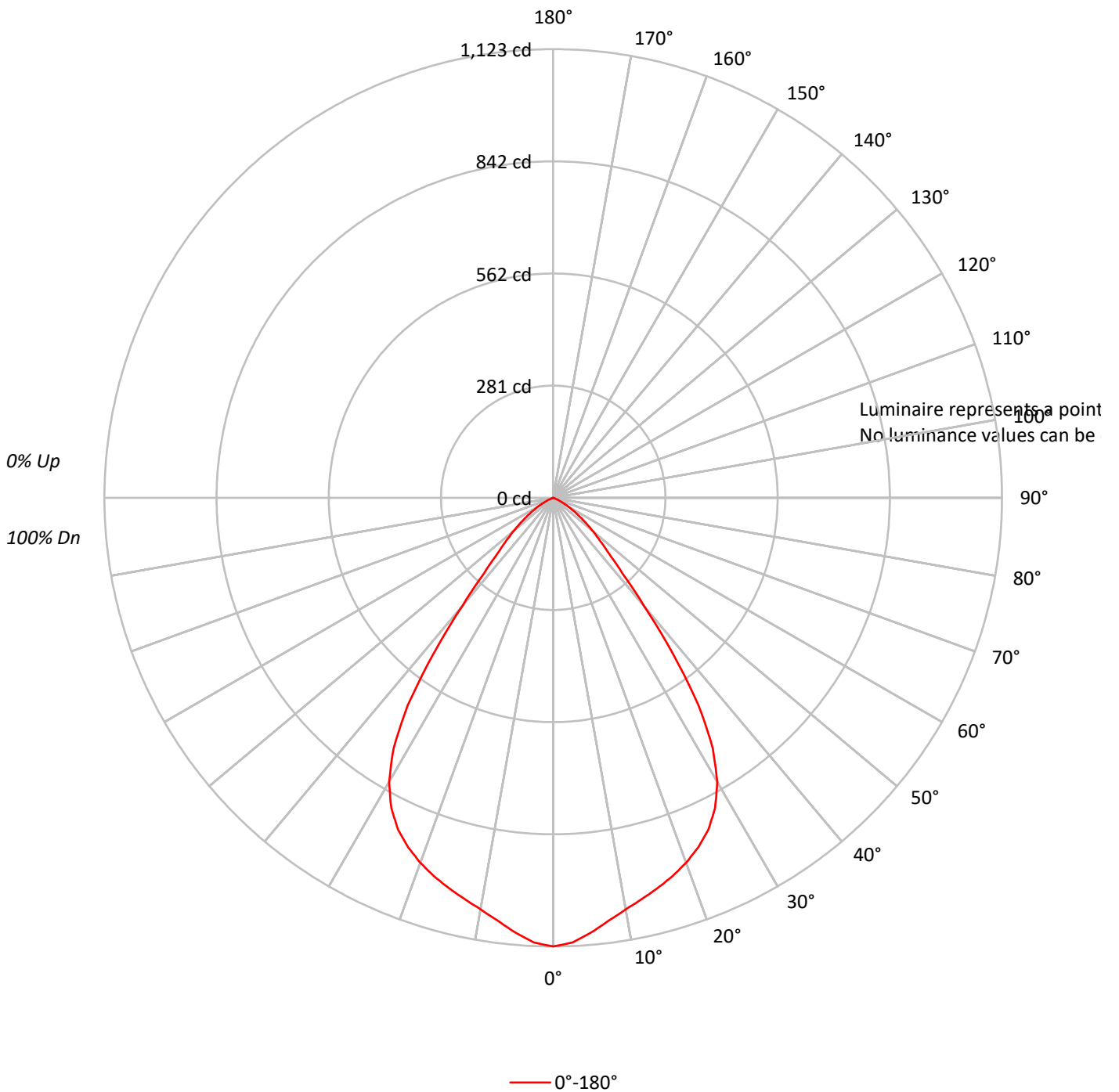
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	113	110	107	104	110	108	105	103	103	101	100	100	100	98	97	97	96	95	94	94	92	92	92	92
2	106	101	96	92	104	99	95	91	96	92	89	89	93	90	87	87	90	88	86	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	81	86	82	79	79	84	81	78	78	76	76	76	76
4	94	85	79	74	92	84	78	74	82	77	73	73	80	76	72	72	78	74	71	71	70	70	70	70
5	88	79	72	67	87	78	72	67	76	71	66	66	74	70	66	66	73	69	65	65	64	64	64	64
6	83	73	66	61	82	72	66	61	71	65	61	61	69	64	60	60	68	63	60	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	56	65	59	56	56	63	59	55	55	54	54	54	54
8	74	63	56	52	73	63	56	52	61	56	51	51	60	55	51	51	59	55	51	51	49	49	49	49
9	70	59	52	48	69	58	52	48	57	52	48	48	57	51	47	47	56	51	47	47	46	46	46	46
10	66	55	49	44	65	55	49	44	54	48	44	44	53	48	44	44	52	47	44	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	7.1
10°-20°	285.3	19.8
20°-30°	418.9	29.1
30°-40°	379.8	26.3
40°-50°	162.6	11.3
50°-60°	71.9	5.0
60°-70°	19.2	1.3
70°-80°	1.5	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°	807.0	56.0
0°-40°	1186.7	82.3
0°-60°	1421.2	98.6
0°-90°	1442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1442.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1123	
5°	1092	103
15°	1011	285
25°	917	419
35°	634	380
45°	196	163
55°	78	72
65°	18	19
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1122.8
2.5°	1114.0
5°	1092.1
7.5°	1067.1
10°	1045.8
12.5°	1028.1
15°	1010.9
17.5°	992.7
20°	971.9
22.5°	947.4
25°	917.2
27.5°	876.6
30°	820.9
32.5°	742.8
35°	634.0
37.5°	491.4
40°	354.0
42.5°	255.6
45°	196.2
47.5°	158.2
50°	128.6
52.5°	102.0
55°	78.1
57.5°	58.3
60°	42.7
62.5°	29.7
65°	17.7
67.5°	7.8
70°	3.6
72.5°	2.1
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)